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| USPTO Form 144 9 U.S. Department of Commerce Patent and Trademark Office | | | Attorney Docket No. 03848-00029 Serial No. 09/634,352 | | | | | |
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| INFORMATION DISCLOSURE CITATION Sheet 1 of 3 | | | | Filing Date: August 9, 2000 | | | Group: 1656 | |
| | 70. | 4 | U.S. PATENT | DOCUMENTS | | | | |
| Examiner Initial | SEP 2 | 7 2001 Pateint No. | Date | Name | Class | Subclass | Filing D | |
| X | TE ARA | 04.68 2,202 | 07/28/87 | Mullis | 435 | 91 | 10/25/8 | 35 |
| Or - | AB | 5,143,854 | 09/01/92 | Pirrung et al. | 436 | 518 | 03/07/9 | 90 |
| | AC | 5,547,839 | 08/20/96 | Dower et al. | 435 | 6 | 12/06/9 | 90 |
| | AD | 5,571,639 | 11/05/96 | Hubbell et al. | 430 | 5 | 05/24/9 | 94 |
| | AE | 5,578,832 | 11/26/96 | Trulson et al. | 250 | 458.1 | 09/02/9 | 94 |
| B | AF | 5,593,839 | 01/14/97 | Hubbell et al. | 435 | 6 | 06/02/9 |)5 |
| | 1 | | FOREIGN PATE | NT DOCUMENTS | • | • | | |
| Examiner | | Document No. | Date | Country | Class | Subclass | Translation | |
| Initial | | | | | | | YES | NO |
| H | AG | EP 0 476 014 B1 | 08/31/94 | Europe | | | | |
| 1 | AH | EP 0 717 113 A2 | 06/19/96 | Europe | | | | |
| 3X | AI | EP 0 728 520 A1 | 08/28/96 | Europe | | | | |
| 0 | 1 | OTHER DOCU | JMENTS (including Au | ithor, Title, Date, Pertinen | t Pages, etc. |) | | |
| JS. | AJ | | | IA Amplification From Jular Biology, 2:17-25 (| | Hemopoiet | ic Cells | and |
| | AK | Brady et al., "Analysis of gene expression in a complex differentiation hierarchy by global amplification of cDNA from single cells," <i>Current Biology</i> , 5(8):909-922 (1995) | | | | | | |
| | AL | | | | | | | 072- |
| AM Dixon et al., "Expression profiling of single cells using 3 prime end amplification (TPEA) PCR Nucleic Acids Res., 26(19):4426-4431 (1998) AN Dulac et al., "A Novel Family of Genes Encoding Putative Pheromone Receptors in Mammals," 83:195-206 (Oct. 20, 1995) | | | | | | ** | | |
| | | | | | | mmals," | Cell, | |
| | AO | Dulac, "Cloning of C Biology, 36:245-258 | | urons," Cellular and M | olecular Pr | ocedures ir | ı Develo | pment |
| % | AP | Eberwine et al., "Ana 89:3010-3014 (1992) | | ion in single live neuro | ns," <i>Proc</i> . | Natl. Acad. | Sci U.S | .A., |
| EXAMINE | ER | 9,11. | Lien | | DATE CO | ONSIDERE | 2/03 | |
| | | reference considered whether of this form with next commu | | es of references not provided at | through creation the time of this | not in confo submission. | rmance and | l not |

| , | | OIPE | | | r | | | | |
|---|---|--|--|---|------------------------------------|--------------------------------|-------------|------------------------------|--|
| U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION Sheet 2 5 3 | | | Attorney Docket No. 03848-00029 Serial No. 09/634,352 | | | | | | |
| | | | Applicants: Yanxiang Cao et al. | | | | | | |
| | | | Filing Date: August 9, 2000 | | | Group: 1656 | | | |
| | | MADELAN | U.S. PATENT | DOCUMENTS | | | | | |
| Examiner Initial | | Patent No. | Date | Name | Class | Subclass | | Filing Date (if appropriate) | |
| 85 | BA | 5,631,734 | 05/20/97 | Stern et al. | 356 | 317 | 02/10/94 | | |
| 0 | .1. | | FOREIGN PATE | NT DOCUMENTS | | | | | |
| Examiner | ` | Document No. | Date | Country | Class | Subclass | Translation | | |
| Initial | | | | | | | YES | NO | |
| 85 | BB | WO 90/15070 | 12/13/90 | PCT | - | | | | |
| 0 | ВС | WO 92/10588 | 06/25/92 | PCT | | | | | |
| | BD | WO 93/09668 | 05/27/93 | PCT | _ | _ | | | |
| | BE | WO 95/11995 | 05/04/95 | PCT | | _ | | | |
| | BF | WO 97/10365 | 03/20/97 | PCT | | _ | | | |
| | BG | WO 97/27317 | 07/31/97 | PCT | | | | | |
| 83 | ВН | WO 97/29212 | 08/14/97 | PCT | | | | | |
| OTHER DO | CUMEN | NTS (including Author, | Title, Date, Pertinent Pa | ges, etc.) | | | | | |
| S | BI Eisen et al., "Cluster analysis and display of genome-wide expression patterns," <i>Proc. Natl. Acad. Sci U.S.A.</i> , 95:14863-14868 (1998) | | | | | | ıd. Sci | | |
| | ВЈ | Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," Science, 251:767-772 (Feb. 14, 1991) | | | | | | 767-772 | |
| | ВК | Fodor et al., "Multiplexed biochemical assays with biological chips," <i>Nature</i> , 364:555-556 (1993) | | | | | | 3) | |
| | BL | Guatelli et al., "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication," <i>Proc. Natl. Acad. Sci U.S.A.</i> , 87:1874-1878 (1990) | | | | | | | |
| | BM | Kwoh et al., "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 86:1173-1177 (1989) | | | | | | | |
| | BN | Landegren et al., "A | Ligase-Mediated Ger | ne Detection Technique,' | 'Science, | 241:1077-1 | 080 (19 | 88) | |
| Si | во | Marshall, "Tumor S | suppressor Genes," Ce | ll, 64:313-326 (1991) | | | | | |
| EXAMINE | R | Jeffer | Siein | | DATE C | ONSIDERE | 9/12/0 | 2 ? | |
| *EXAMINER: | Initial if r | reference considered, whether | r or not citation is in conformation to Applicant.**Copi | nce with MPEP 609. Draw line the sof references not provided at the | nrough citation ne time of this | if not in confo submission. | rmance and | not | |

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|---|---------------------------------|--------------|--|---|---|----------------------|-----------------|------------------------------|-----------|--|
| USPTO Form 144 9 Department of Commerce tent and Trademark Office | | | Attorney Docket No. 03848-00029 Serial No. 09/634,352 Applicants: Yanxiang Cao et al. | | | | | | | |
| | | | | | | | | | | |
| | INFORMATION DISCLOSING CITATION | | | | Filing Date: August 9, 2000 | | | Group: 1656 | | |
| | | | | U.S. PATENT | DOCUMENTS | | | | | |
| Examiner . Initial | | | Patent No. | Date | Name | Class | Subclass | Filing Date (if appropriate) | | |
| | | CA | | | | | | | | |
| | | | | FOREIGN PATE | NT DOCUMENTS | | | | | |
| Examiner | | | Document No. | Date | Country | Class | Subclass | Translation | | |
| Initi | al | | | | | | | YES | NO | |
| | | СВ | | | | | | | | |
| | | | OTHER DOCU | MENTS (including Au | thor, Title, Date, Pertine | ent Pages, etc. |) | | | |
| 8 | 5 | CC | Mattila et al., "Fidelity of DNA synthesis by the <i>Thermococcus litoralis</i> DNA polymerase – an extremely heat stable enzyme with proofreading activity," <i>Nucleic Acids Res.</i> , 19(18):4967-4973 (1991) | | | | | | | |
| 1 | | CD | Mikkelsen et al., "Genetics of the Malignant Progression of Astrocytoma," J. Cellular Biochem., 46:3-8 (1991) | | | | | | | |
| | | CE | mRNA Population from Single Living Cells," <i>METHODS: A Companion to Methods in Enzymology</i> , 10(3):283-288 (Dec. 1996) Tamayo et al., "Interpreting patterns of gene expression with self-organizing maps: Methods and application to hemotopoietic differentiation," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 96:2907-2912 (1999) | | | | | | | |
| | | CF | | | | | | | | |
| | | CG | | | | | | | .," Proc. | |
| | | СН | Weinberg, "Tumor Suppressor Genes," Science 254:1138-1146 (1991) | | | | | | | |
| 8 | 3 | CI | Wu and Wallace, "The Ligation Amplification Reaction (LAR) – Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," Genomics, 4:560-569 (1989) | | | | | | | |
| | | CJ | | | | | | | | |
| | | CK | | | | | | | | |
| | | CL | | | | | | | | |
| | | CM | | | | | | | | |
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|---------------------|---|---|--|-----------------------------|------------------|--------------|----------------------|---------|
| USPTO Form 144 9 | | | S. Department of Commerce Patent and Trademark Office | Attorney Docket No. | 03848-00029 | Serial No. | 09/634,35 | 52 |
| | mon | | | Applicants: Yanxian | g Cao et al. | | | - |
| | OVE | Sheet 1 of 1 | E CITATION | Filing Date: August 9, 2000 | | | Group: 1656 | |
| | PR 0.52 | (B) | U.S. PATENT | DOCUMENTS | <i></i> | | | |
| Examination Initial | | | Date | Name | Class | Subclass | Filing D | |
| | AA | | | | | | | |
| | AB | | | - | h i | ECEIV | | |
| | AC | | | | Δ | PR 1 0 2 | 2002 | |
| | AD | | | | TECH | | 200/2004 | |
| | AE | | | | <u> </u> | CENTER 1 | 100/288 (| } |
| | AF | | | | | | | |
| | | | FOREIGN PATE | NT DOCUMENTS | | 1 | | |
| Examiner | | Document No. | Date | Country | Class | Subclass | Translation | |
| Initial | | | | | | | YES | NO |
| 28 | AG | WO 99 29877 A | 06/17/99 | PCT | | | | |
| 0 | AH | | | | | | | |
| | AI | | | | | | | |
| | 1 | OTHER DOC | CUMENTS (including Au | uthor, Title, Date, Pertin | nent Pages, etc. |) | | |
| 93 | AJ Bowtell et al., "Options available — from start to finish — for obtaining expression data by microarray," <i>Nature Genetics</i> , 21 (supp.):25-32 (1999) | | | | | | | |
| | AK | Brail et al., "Gene e (1999) | expression in individua | l cells: ," Mutatio | on Research G | enomics, 4 | 06(2-4):4 | 15-54 |
| | AL | Duggan et al., "Exp | ression profiling using | cDNA microarrays, | ' Nature Gene | etics, 21(su | pp):10-1 | 4 (1999 |
| | AM | Luo et al., "Gene expression profiles of laser-captured adjacent neuronal subtypes," <i>Nature Medicine</i> , 5(1):117-122 (1999) | | | | | | icine, |
| 28 | AN | | e use of reverse transcr n a single cell," J. Imm | | | analyse la | rge num | bers of |
| | AO | | | | | | | |
| | AP | | | | | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.

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